

**AMENDMENTS TO THE CLAIMS**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

**Claim 1 (Currently amended):** A gas-barrier laminate comprising a plastic substrate-(A), an inorganic thin film-(B)-formed on at least one surface of the plastic substrate-(A), and a coating layer-(C)-formed by applying a coating material on a surface of the inorganic thin film-(B), said coating layer-(C) containing a polyester-based resin-(e1)-having a molecular weight of 3000 to 15000 and a polyurethane-based resin-(e2)-having a molecular weight of 8000 to 30000 at a weight ratio of 5/95 to 95/5, and said gas-barrier laminate having an oxygen permeability of not more than 25 fmol/m<sup>2</sup>/s/Pa.

**Claim 2 (Currently amended):** A gas-barrier laminate according to claim 1, wherein the polyester-based resin-(e1)-and the polyurethane-based resin-(e2)-respectively have a glass transition temperature-(T<sub>g</sub>)-of 55 to 100°C and an acid value of 1 to 100 mgKOH/g.

**Claim 3 (Currently amended):** A gas-barrier laminate according to claim 1-~~or 2~~, wherein the coating layer-(C)-contains a silane coupling agent in an amount of 0.1 to 20% by weight.

**Claim 4 (Original):** A gas-barrier laminate according to claim 3, wherein the silane coupling agent is an epoxy group-containing silane coupling agent and/or an amino group-containing silane coupling agent.

**Claim 5 (Currently amended):** A gas-barrier laminate according to any one of claims 1-~~to~~-4, wherein the coating material contains a fatty acid, a fatty ester, a fatty amide or a mixture thereof in an amount of 0.05 to 20 parts by weight based on 100 parts by weight of a sum of the polyester-based resin-(e1)-and the polyurethane-based resin-(e2).

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**Claim 6 (Currently amended):** A gas-barrier laminate according to any one of claims 1-to-5, wherein the coating material contains a polyisocyanate as a curing agent and a content of the polyisocyanate in the coating material is 0.8 to 1.5 times a total hydroxyl equivalent of the polyester-based resin -(e1)-and the polyurethane-based resin -(e2).

**Claim 7 (Original):** A gas-barrier laminate according to claim 6, wherein the polyisocyanate contains at least one compound having three or more active isocyanate group in a molecule thereof.

**Claim 8 (Currently amended):** A gas-barrier laminate comprising a plastic substrate-(A), an inorganic thin film -(B)-formed on at least one surface of the plastic substrate-(A), and a coating layer (C)-formed on a surface of the inorganic thin film-(B), said coating layer (C)-having a hardness of 0.1 to 0.5 GPa as measured at 23°C in atmospheric air by a nano-indentation hardness testing method, and the gas-barrier laminate exhibiting an oxygen permeability of not more than 50 fmol/m<sup>2</sup>/s/Pa as measured with respect to a gas-barrier film obtained by laminating an unstretched polypropylene film having a thickness of 60 µm on the coating layer (C)-of the gas-barrier laminate after subjecting the gas-barrier film to hydrothermal treatment at 120°C for 30 min.

**Claim 9 (Currently amended):** A gas-barrier laminate comprising a plastic substrate-(A), an inorganic thin film-(B) formed on at least one surface of the plastic substrate-(A), and a coating layer (C)-formed on a surface of the inorganic thin film-(B), said coating layer (C)-having a hardness of 0.03 to 0.5 GPa as measured at 23°C in water by a nano-indentation hardness testing method, and the gas-barrier laminate exhibiting an oxygen permeability of not more than 50 fmol/m<sup>2</sup>/s/Pa as measured with respect to a gas-barrier film obtained by laminating an unstretched polypropylene film having a thickness of 60 µm on the coating layer (C)-of the gas-barrier laminate after subjecting the gas-barrier film to hydrothermal treatment at 120°C for 30 min.

**Claim 10 (Currently amended):** A gas-barrier laminate comprising a plastic substrate-(A), an inorganic thin film -(B)-formed on at least one surface of the plastic substrate-(A), and a coating layer (C)-formed on a surface of the inorganic thin film-(B), said coating layer (C)-having a ratio of

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number of carbon atoms derived from carboxyl groups to number of carbon atoms constituting the surface of the coating layer ( $C$ ) of 0.005 to 0.1, and the gas-barrier laminate exhibiting an oxygen permeability of not more than 50 fmol/m<sup>2</sup>/s/Pa as measured with respect to a gas-barrier film obtained by laminating an unstretched polypropylene film having a thickness of 60  $\mu$ m on the coating layer ( $C$ ) of the gas-barrier laminate after subjecting the gas-barrier film to hydrothermal treatment at 120°C for 30 min.

**Claim 11 (Currently amended):** A gas-barrier laminate according to claim 8-~~or~~-9, wherein the ratio of number of carbon atoms derived from carboxyl groups to number of carbon atoms constituting the surface of the coating layer ( $C$ ) is 0.005 to 0.1.

**Claim 12 (Currently amended):** A gas-barrier laminate according to ~~any one of claims 8-10~~ 11, wherein the coating layer ( $C$ ) is made of at least one resin selected from the group consisting of a polyester-based resin, an urethane-based resin, an acrylic resin, an alkoxyisilyl group-containing resin, an oxazoline group-containing resin and copolymer resins thereof.

**Claim 13 (Currently amended):** A gas-barrier laminate according to ~~any one of claims 8-10~~ 11, wherein a gas-barrier film obtained by forming a printed layer on the coating layer ( $C$ ) of the gas-barrier laminate and further laminating an unstretched polypropylene film having a thickness of 60  $\mu$ m on the printed layer exhibits an oxygen permeability of not more than 50 fmol/m<sup>2</sup>/s/Pa after subjecting the gas-barrier film to hydrothermal treatment at 120°C for 30 min.

**Claim 14 (Currently amended):** A gas-barrier laminate according to ~~any one of claims 1-10~~ 13, wherein the plastic substrate ( $A$ ) comprises a polyester resin, a polyamide resin, a polyolefin resin, an ethylene-vinyl alcohol copolymer resin or a biodegradable resin.

**Claim 15 (Currently amended):** A gas-barrier laminate according to ~~any one of claims 1-10~~ 14, wherein the inorganic thin film ( $B$ ) is a physically vapor-deposited film or a chemically vapor-deposited film comprising silicon oxide, aluminum oxide, diamond-like carbon or a mixture thereof.

Claim 16 (Currently amended): A gas-barrier laminate according to any one of claims 1 to 15, further comprising an anchor coat layer disposed between the plastic substrate (A) and the inorganic thin film (B).

Claim 17 (Original): A gas-barrier laminate according to claim 16, wherein the anchor coat layer is made of at least one resin selected from the group consisting of a polyester-based resin, an urethane-based resin, an acrylic resin, an alkoxyisilyl group-containing resin, an oxazoline group-containing resin and copolymer resins thereof.

Claim 18 (Currently amended): A gas-barrier laminate according to any one of claims 1 to 17, further comprising a printed layer formed on a surface of the coating layer (C), and a heat seal layer formed on a surface of the printed layer.

Claim 19 (Original): A gas-barrier laminate according to claim 18, further comprising at least one paper or plastic substrate disposed between the printed layer and the heat seal layer.

Claim 20 (Original): A gas-barrier laminate according to claim 19, wherein the plastic substrate disposed between the printed layer and the heat seal layer comprises a polyester-based resin, a polyamide-based resin, an ethylene-vinyl acetate copolymer resin or a mixture thereof.

Claim 21 (Currently amended): A gas-barrier laminate according to any one of claims 1 to 20, wherein the gas-barrier laminate is heat-treated at a temperature of not less than 60°C.

Claim 22 (Currently amended): A gas-barrier laminate according to any one of claims 1 to 21, wherein when the gas-barrier laminate is subjected to hydrothermal treatment under pressure at 120°C for 30 min, an oxygen permeability of the gas-barrier laminate after being subjected to the hydrothermal treatment is not more than 25 fmol/m<sup>2</sup>/s/Pa.

Claim 23 (Currently amended): A gas-barrier laminate according to any one of claims 18 to 22, wherein when the gas-barrier laminate is subjected to hydrothermal treatment under pressure at 120°C for 30 min, an adhesion strength between the inorganic thin film (B) and the coating layer (C) is not less than 100 g/15 mm, and an adhesion strength between the coating layer (C) and the printed layer is not less than 100 g/15 mm.